

## Pollution Prevention in Dry Cleaning Shops, November 2010

Complete the checklist to assess your operation, and find areas where you can take advantage of P2 opportunities for these activities:

- Improved Practices
- Maintenance
- Inventory Control
- Equipment Modifications/Upgrades

During the dry cleaning process, wastes may be created that are hazardous to the environment and your employees. Some of the wastes can be prevented with changes in how you work and the equipment you use. In light of increased environmental regulations facing dry cleaners, pollution prevention may help reduce a cleaner's compliance burden. Improved practices, including best management practices and good housekeeping, are a good start to a pollution prevention plan.

Improved practices and Maintenance	Yes	No	P2 and Compliance Opportunities
Does your operation require manual transfer of clothing from different cleaning units?			<ul style="list-style-type: none"><li>• Transfer clothes from washer to dryer as fast as possible</li><li>• Close door immediately after transfer</li><li>• Clean pre-carbon filters weekly</li><li>• Size the loads correctly</li><li>• Open button and lint traps only long enough to clean</li></ul>
Do you maintain a schedule for routine/regular maintenance?			<p>Eliminate both liquid and vapor leaks by conducting a regular maintenance program:</p> <ul style="list-style-type: none"><li>• Periodically replace the seals on the dryer deodorizer and aeration valves, the door gasket on the button trap and the gasket on the cleaning machine door.</li><li>• Repair holes in air and exhaust ducts.</li><li>• Check hose connections and couplings.</li><li>• Clean lint screens to avoid clogging fans and condensers.</li><li>• Check baffle assembly in cleaning machine.</li><li>• Check air relief valves for proper closure.</li><li>• Monitor for vapor losses with solvent leak detectors</li></ul>

Improved practices and maintenance	Yes	No	P2 and Compliance Opportunities
Do you maintain a schedule for routine/regular maintenance?			<ul style="list-style-type: none"> <li>Check to see that your water/solvent separator is working correctly. If there is an unusually large amount of PCE in your collection bucket, it is not working correctly.</li> </ul>
Do you store PCE or other chemicals onsite?			<ul style="list-style-type: none"> <li>Keep tight fitting lids on containers to prevent loss of chemicals through evaporation or spillage.</li> <li>Keeping lids on containers also prevents mixing with water, dirt or other materials.</li> <li>Use spigots and pumps when dispensing new materials and funnels when transferring wastes to storage containers to reduce the possibility of spills.</li> <li>Provide secondary containment in areas where PCE and PCE wastes are stored.</li> <li>Store products in locations that will preserve their shelf life.</li> <li>Never mix different types of wastes together. Mixing wastes may make recycling impossible, or make waste disposal much more expensive.</li> </ul>

Inventory control has several benefits, including assuring the financial investment in inventories is minimal by ordering exactly what is needed, to maximize the efficiency of purchasing, storing, consuming and accounting for those materials held in inventory.

Inventory	Yes	No	P2 and Compliance Opportunities
Do you control your inventory, or have regularly scheduled deliveries?			Buy only what you need
Are you tracking the chemicals used, including delivery and pickup dates?			<ul style="list-style-type: none"> <li>Label all chemicals, so the oldest materials are used first</li> <li>Inspect all deliveries, refuse damaged materials</li> <li>Keep a manifest log of chemicals delivered and sent for disposal</li> </ul>

As your business, clientele or regulations change, consider upgrades or modifications to your equipment.

Upgrades/modifications	Yes	No	P2 and Compliance Opportunities
Do you have older or out-dated equipment still in use?			<ul style="list-style-type: none"><li>• Replace cartridge filters with spin disk filters that can be cleaned without opening</li><li>• Use double carbon wastewater treatment devices to clean up perc-contaminated wastewater and recycle Wastewater to the process boiler.</li><li>• Install distillation equipment where the still bottoms can be removed without opening the still</li><li>• Add a refrigerated condenser to the machine</li><li>• Buy solvent recycling tank</li><li>• Install spill container that can catch and recycle solvent spills from the machine</li><li>• Consider purchasing a multi-process wetcleaning machine</li></ul>

For additional tips and pollution prevention opportunities, please visit the Wyoming Department of Environmental Quality's Inspection and Compliance website at:  
<http://deq.state.wy.us/shwd/I&C/Downloads/documents/Dry%20Cleaning%20Facilities%20Tip%20Sheet.pdf>